

Applicant : Hamid Hojaji
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CLAIM AMENDMENTS

Complete listing of all the claims in the application:

Claim 1 (Currently Amended) A foam glass tile comprising a closed pore outer skin on at least one side, having a density between 30 lb./cu. ft. and 100 lb./cu. ft., having a thickness of least 2 inches, and a having a weight greater than 30 lb.

Claim 2 (Original) The foam glass tile according to claim 1, wherein the tile surface area is at least 2 feet by 2 feet.

Claim 3 (Currently Amended) The foam glass tile according to claim 1 wherein the tile surface and is at least 4 feet by 4 feet.

 Claim 4 (Original) The foam glass tile according to claim 1, wherein the tile has a density greater than 40 lb./cu. ft.

Claim 5 (Original) The foam glass tile according to claim 1, wherein the tile has a density greater than 50 lb./cu. ft.

Claim 6 (Original) The foam glass tile according to claim 1, wherein the tile has a thickness of at least 3 inches.

Claim 7 (Original) The foam glass tile according to claim 1, wherein the tile has a thickness of at least 4 inches.

Claim 8 (Original) The foam glass tile according to claim 1, wherein the tile has a weight of at least 65 lbs.

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Claim 9 (Currently Amended) The foam glass tile according to claim 1 wherein tile has a weight of at least ~~than~~ 100 lbs.

Claim 10 (Original) The foam glass tile according to claim 1, wherein the tile is assembled with at least one other tile of like construction to form a panel, said panel is used as a lightweight building facade.

Claim 11 (Original) The foam glass tile according to claim 10, wherein said building facade is assembled into at least a portion of a building so that said portion of said building will be substantially resistant to earthquake damage.

Claim 12 (Original) The foam glass tile according to claim 1, wherein said tile has a closed pore structure.

Claim 13 (Original) The foam glass tile according to claim 12, wherein said outer skin is a glazed outer surface of said foam glass tile.

Claim 14 (Original) The foam glass tile according to claim 12, wherein said closed pore structure is textured for architectural appeal.

Claim 15 (Currently Amended) The foam glass tile according to claim 12 wherein the tile further comprises an interior portion and said ~~tile~~ outer skin comprises an additive to make its surface appear a different color than said interior portion of said tile.

Claim 16 (Withdrawn) A composite building material comprising:

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(a) a foam glass tile having a density between 20 lb./cu. ft. and 100 lb./cu. ft.;
and

(b) a rigid structure,

whereby said tile is backed by said rigid structure so that if subjected to blast shock waves having blast energy, said tile can absorb a substantial portion of said blast energy to which said tile is exposed.

al Claim 17 (Withdrawn) The composite building material according to claim 16, wherein said rigid structure is a building column.

Claim 18 (Withdrawn) The composite building material according to claim 16, wherein said rigid structure is located in or adjacent to a garage.

Claim 19 (Withdrawn) The composite building material according to claim 16, wherein said rigid structure comprised of one or more cementaceous materials.

Claim 20 (Withdrawn) The composite building material according to claim 19, wherein said cementaceous materials comprise portland cement.

Claim 21 (Withdrawn) The composite building material according to claim 19, wherein said cementaceous materials comprise lime.

Claim 22 (Withdrawn) The composite building material according to claim 19, wherein said cementaceous materials comprise an aluminous cement.

Claim 23 (Withdrawn) The composite building material according to claim 19, wherein said cementaceous materials comprise plaster.

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Claim 24 (Withdrawn) The composite building material according to claim 16, wherein said rigid structure comprises polymeric materials.

Claim 25 (Withdrawn) The composite building material according to claim 24, wherein said polymeric material is comprised of fibrous materials and/or Kevlar.

Claim 26 (Withdrawn) A ceramic-glass foam composite comprising:

(a) a foam glass tile; and

(b) an inorganic cementaceous backing on said foam glass tile,

whereby said composite is capable of absorbing a substantial portion of blast energy which it may be exposed to from a potential explosion.

Claim 27 (Withdrawn) The ceramic-glass foam composite according to claim 26, wherein said foam glass tile is exposed in the direction of said potential explosion.

Claim 28 (Withdrawn) The ceramic-glass foam composite according to claim 26, wherein said cementaceous backing forms a pozzolanic bond with said foam glass tile.

Claim 29 (Withdrawn) The ceramic-glass foam composite according to claim 26, wherein said cementaceous backing is reinforced cement.

Claim 30 (Withdrawn) The ceramic-glass foam composite according to claim 26, wherein said composite is mounted on a building column.

Claim 31 (Withdrawn) The ceramic-glass foam composite according to claim 26, wherein said composite is mounted on a wall located in or adjacent to a garage.

Claim 32 (Withdrawn) A foam glass composite panel comprising:

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- (a) a surface finish layer;
- (b) at least one layer of rigid foam glass; and
- (c) at least one backing layer.

Claim 33 (Withdrawn) The foam glass composite panel according to claim 32, wherein said rigid foam glass has closed pore structure.

Claim 34 (Withdrawn) The foam glass composite panel according to claim 32, wherein said surface finish layer is a foam glass glazed outer surface of said at least one layer of rigid foam glass.

Claim 35 (Withdrawn) The foam glass composite panel according to claim 32, wherein said surface finish layer is textured for architectural appeal.

Claim 36 (Withdrawn) The foam glass composite panel according to claim 32, wherein said surface finish layer includes an additive to make its surface appear a different color than said at least one layer of rigid foam glass.

Claim 37 (Withdrawn) The foam glass composite panel according to claim 32, wherein said surface finish layer contains fibrous materials.

Claim 38 (Withdrawn) The foam glass composite panel according to claim 37, wherein said fibers are made from graphite and/or Kevlar.

Claim 39 (Withdrawn) The foam glass composite panel according to claim 32, wherein said at least one backing layer contains fibrous materials.

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Claim 40 (Withdrawn) The foam glass composite panel according to claim 39, wherein said fibers are made from graphite and/or Kevlar.

Claim 41 (Withdrawn) The foam glass composite panel according to claim 32, wherein said surface finish layer comprises a polymeric material.

Claim 42 (Withdrawn) The foam glass composite panel according to claim 32, wherein said at least one backing layer comprises a polymeric material.

Claim 43 (Withdrawn) The foam glass composite panel according to claim 32, wherein said at least one backing layer comprises one or more cementaceous materials.

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Claim 44 (Withdrawn) The foam glass composite panel according to claim 43, wherein said cementaceous materials form a pozzolanic bond with a surface of said at least one foam glass layer.

Claim 45 (Withdrawn) The foam glass composite panel according to claim 43, wherein said cementaceous materials comprise portland cement.

Claim 46 (Withdrawn) The foam glass composite panel according to claim 43, wherein said cementaceous materials comprise reinforced portland cement.

Claim 47 (Withdrawn) The foam glass composite panel according to claim 43, wherein said cementaceous materials comprise lime.

Claim 48 (Withdrawn) The foam glass composite panel according to claim 43, wherein said cementaceous materials comprise an aluminous cement.

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Claim 49 (Withdrawn) The foam glass composite panel according to claim 43, wherein said cementaceous materials comprise plaster.

Claim 50 (Withdrawn) The foam glass composite panel according to claim 43, wherein a layer of a bonding promoter or adhesive is applied between said at least one foam glass layer and said backing layer.

Claim 51 (Withdrawn) The foam glass composite panel according to claim 32, wherein said at least one backing layer comprises metal.

pl Claim 52 (Withdrawn) The foam glass composite panel according to claim 32, wherein hanging hardware is installed in the backing layer.

Claim 53 (Withdrawn) The foam glass composite panel according to claim 32, wherein said panel is mounted on a load-bearing frame.

Claim 54 (Withdrawn) The foam glass composite panel according to claim 53, wherein said panel is capable of absorbing a substantial amount of shock waves and vibration energy.

Claim 55 (Withdrawn) The foam glass composite panel according to claim 32, wherein said surface finish layer is capable of containing fragments of said one or more glass foam layers in the case of a shock wave.

Claim 56 (Withdrawn) The foam glass composite panel according to claim 32, wherein said one or more backing layer is capable of containing fragments of said one or more foam layers in the case of a shock wave.

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Claim 57 (Withdrawn) The foam glass composite panel according to claim 32,
wherein said panel is assembled into at least a portion of a building so that said portion
of said building will be substantially resistant to earthquake damage.

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